

FIG. 1

09644568.082400

Expected Fragment Sizes (kb)			
using Probe A			
Restriction Digest	Fragment Length		
	wild type	mutant	
Bgl I	15.7	7.7	
Bst XI	7.3	6.6	
Spe I	9.9	7.6	
Eco RI	12.5	14.3	

004220" 99944960

FIGURE 2

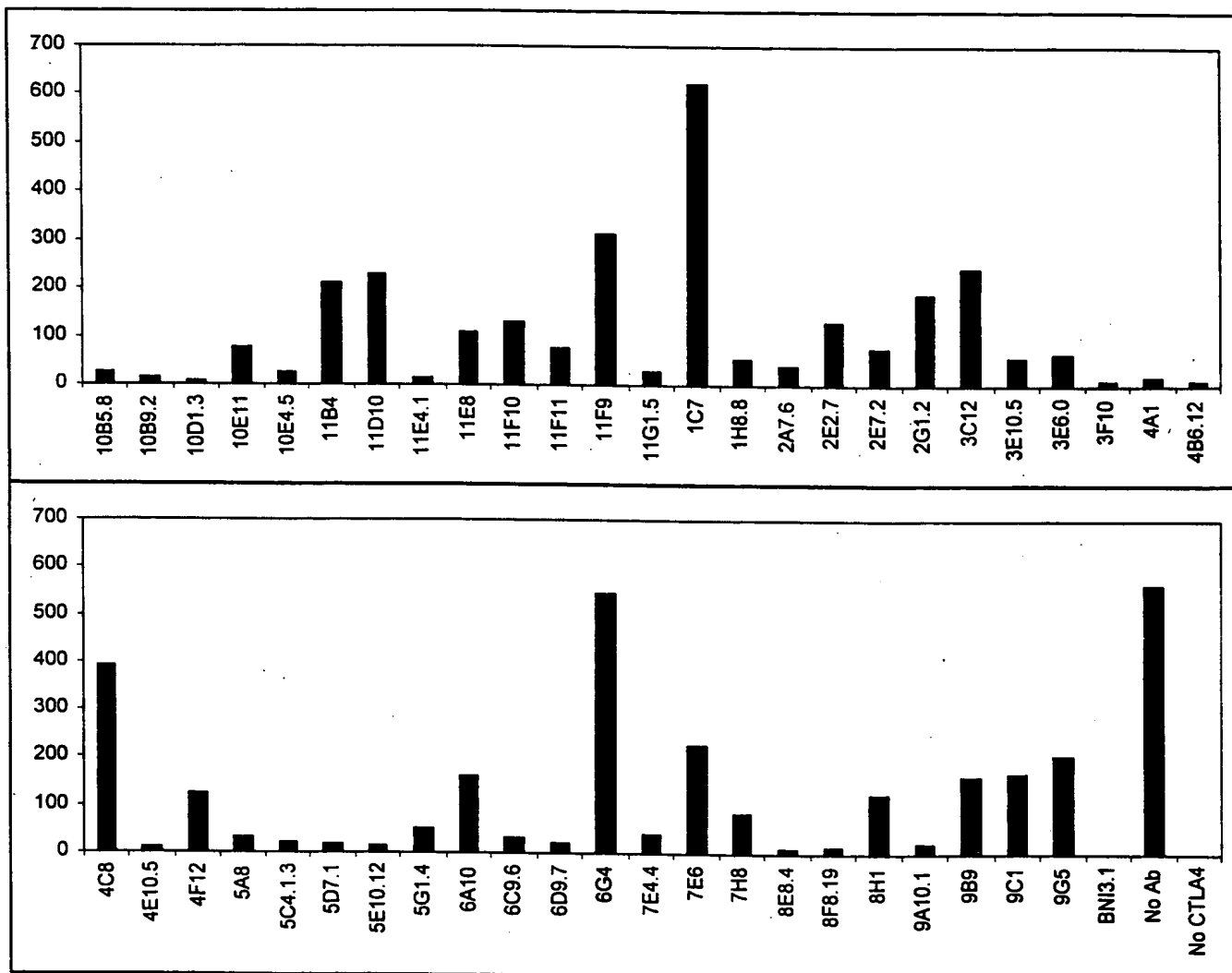
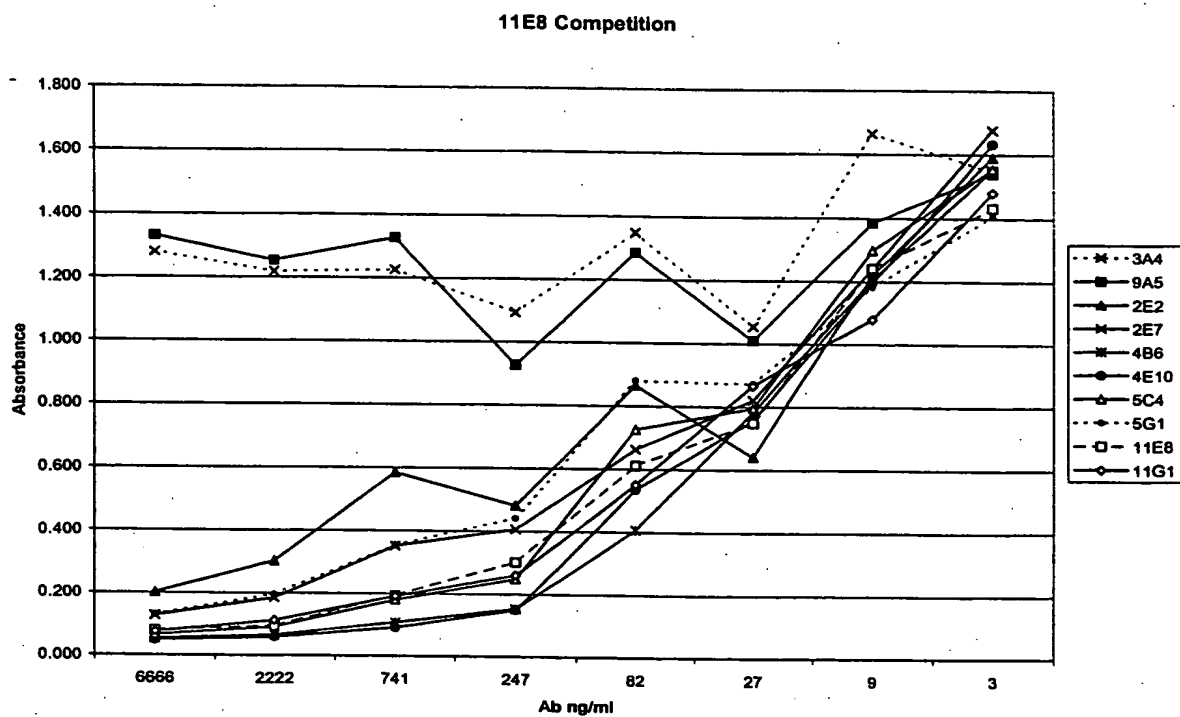


FIGURE 3



004280" 89944960

10D1.3 VH (SEQ ID NO:2)

TGGGGGAGGC GTGGTCCAGC CTGGGAGGTC CCTGAGACTC TCCTGTGCAG 50
CCTCTGGATT CACCTTCAGT AGCTATACTA TGCAGTGGGT CCGCCAGGCT 100
CCAGGCAAGG GGCTGGAGTG GGTGACATTT ATATCATATG ATGGAAACAA 150
TAAATACTAC GCAGACTCCG TGAAGGGCCG ATTCACCATC TCCAGAGACA 200
ATTCCAAGAA CACGCTGTAT CTGCAAATGA ACAGCCTGAG AGCTGAGGAC 250
ACGGCTATAT ATTACTGTGC GAGGACCGGC TGGCTGGGGC CCTTTGACTA 300
CTGGGGCCAG GGAACCCTGG TCACCGTCTC CTCAGCCTCC ACCAAGGGC 349

10D1.3 VK (SEQ ID NO:3)

CTCCAGGCAC CCTGTCTTTG TCTCCAGGGG AAAGAGCCAC CCTCTCCTGC 50
AGGGCCAGTC AGAGTGTTGG CAGCAGCTAC TTAGCCTGGT ACCAGCAGAA 100
ACCTGGCCAG GCTCCCAGGC TCCTCATCTA TGGTGCATTC AGCAGGGCCA 150
CTGGCATCCC AGACAGGTTT AGTGGCAGTG GGTCTGGGAC AGACTTCACT 200
CTCACCATCA GCAGACTGGA GCCTGAAGAT TTTGCAGTGT ATTACTGTCA 250
GCAGTATGGT AGCTCACCGT GGACGTTCGG CCAAGGGACC AAGGTGGAAA 300
TCAAACGAAC TGTGGCTGCA C 321

Figure 4

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V_K A-27
 Germline:
 10D1:
 4B6:

V_K A-27:
 10D1:
 4B6:

V_K A-27:
 10D1:
 4B6:

V_K A-27:
 10D1:
 4B6:

V_K A-27:
 10D1:
 4B6:

V_K L-15
 Germline:
 1E2:

V_K L-15:
 1E2:

V_K L-15:
 1E2:

V_k L-15:
1E2:

GAT TTC ACT CTC ACC ATC AGC AGC CTG CAG CCT GAA GAT TTT GCA ACT TAT TAC TGC CAA CAG TAT AAT

CDR3

V_k L-15:
1E2:

AGT TAC CCT CC

J_{k1}
--G ACG TTC GGC CAA GGG ACC AAG GTG GAA ATC AAA C/

FIG. 5

09544668.082400

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V_H 3-30.3
 Germline:
 10D1:
 4B6:

V_H 3-30.3:
 10D1:
 4B6:

V_H 3-30.3:
 10D1:
 4B6:

V_H 3-30.3:
 10D1:
 4B6:

V_H 3-30.3:
 10D1:
 4B6:

V_H 3-33
 Germline:
 1E2:

V_H 3-33:
 1E2:

V_H 3-33:
 1E2:

FIG. 6
 102

V_H 3-33: GAC AAT TCC AAG AAC ACG CTG TAT CTG CAA ATG AAC AGC CTG AGA GCC GAG GAC ACG GCT GTG TAT TAC TGT
1E2: ----- -T- -----

CDR3
J_H3b

V_H 3-33: GCC AGA GA
1E2: -----CT CCC AAT TAT ATT GGT GCT TTT GAT GTC TGG GGC CAA GGG ACA ATG GTC ACC GTC TCT TCA G/

FIG. 6

09644588.082400

2 of 2

V_K A-27
 Germline:
 10D1:
 4B6:

	_____CDR1_____	_____CDR2_____
EIVLTQSPGTLSPGERATLSC	RASQSVSSSYLA	WYQOKPGQAPRLIY GASSRAT
-----G-----		-----F-----
-----F-----		

V_K A-27:
 10D1:
 4B6:

	_____CDR3_____
GIPDRFSGSGGTDFLTISRLEPEDFAVYYC	QQYGS
-----PWT	FGQGTKEVEIK

V_K L-15
 Germline:
 1E2:

	_____CDR1_____	_____CDR2_____
DIQMTQSPSSLASVGDRTITC	RASQGISWLA	WYQOKPEKAPKSLIY AASSLQS

V_K L-15:
 1E2:

	_____CDR3_____
GVPSTRFSGSGGTDFLTITISLQPEDFATYYC	QQYNSY
-----PPT	FGQGTKEVEIK

FIG. 7

09644668.032400

V_H 3-30.3
 Germline:
 10D1:
 4B6:

	<u>CDR1</u>		<u>CDR2</u>
QVQVLESQGGVQPGRSRLRLSCAASGFTFS	SYAMH	WVRQAPGKLEWVA	VISYDGSNKYYADSVKG
-----	-T-	-----	F-----N-----
-----	-T-	-----	F-----H-----

CDR3

V_H 3-30.3:
 10D1:
 4B6:

RFTISRDN SKNTLYLQMSLRAEDTAVYYCAR
 -----I-----
 TGWLGPFDY WGQGTIVTVSS
 ---V-----I-----

V_H 3-33
 Germline:
 1E2:

	<u>CDR1</u>		<u>CDR2</u>
QVQVLESQGGVQPGRSRLRLSCAASGFTFS	SYGMH	WVRQAPGKLEWVA	VIVYDGSNKYYADSVKG
-----	-----	-----	-----

CDR3

V_H 3-33:
 1E2:

RFTISRDN SKNTLYLQMSLRAEDTAVYYCAR
 -----F-----
 APNYIGAFDV WGQGTIVTVSS

FIG. 8

09644668.082400

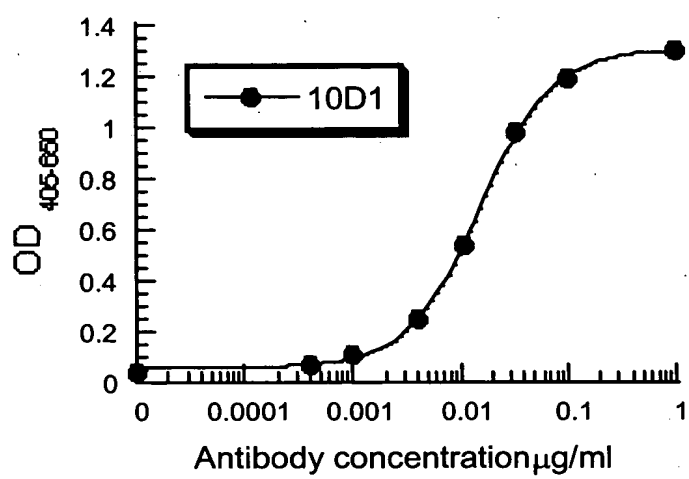


Figure 9

004280" 39944960

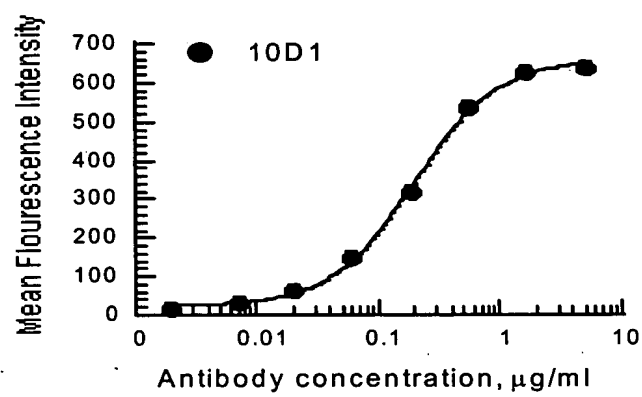


Figure 10

004469008400

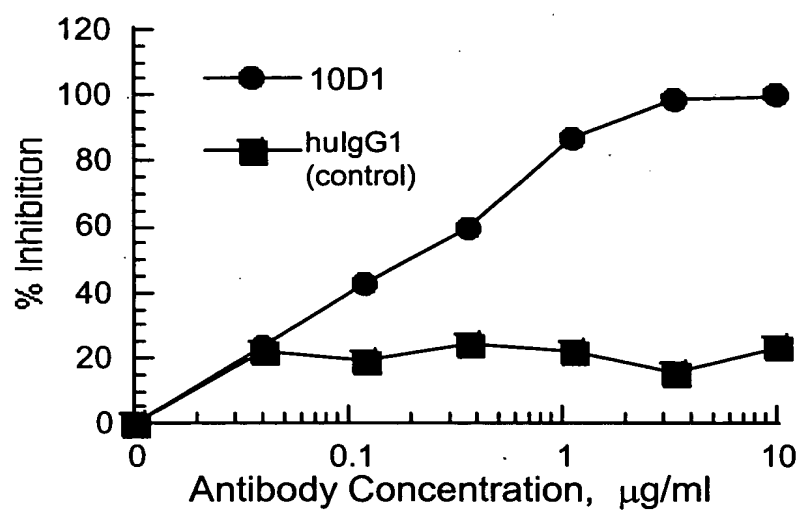


Figure 11.

004280" 8994960

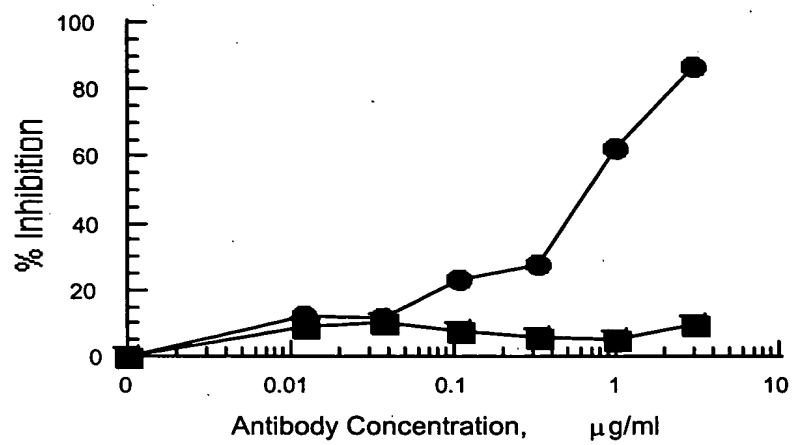


Figure 12

004280" 899414960

004280" 89944960

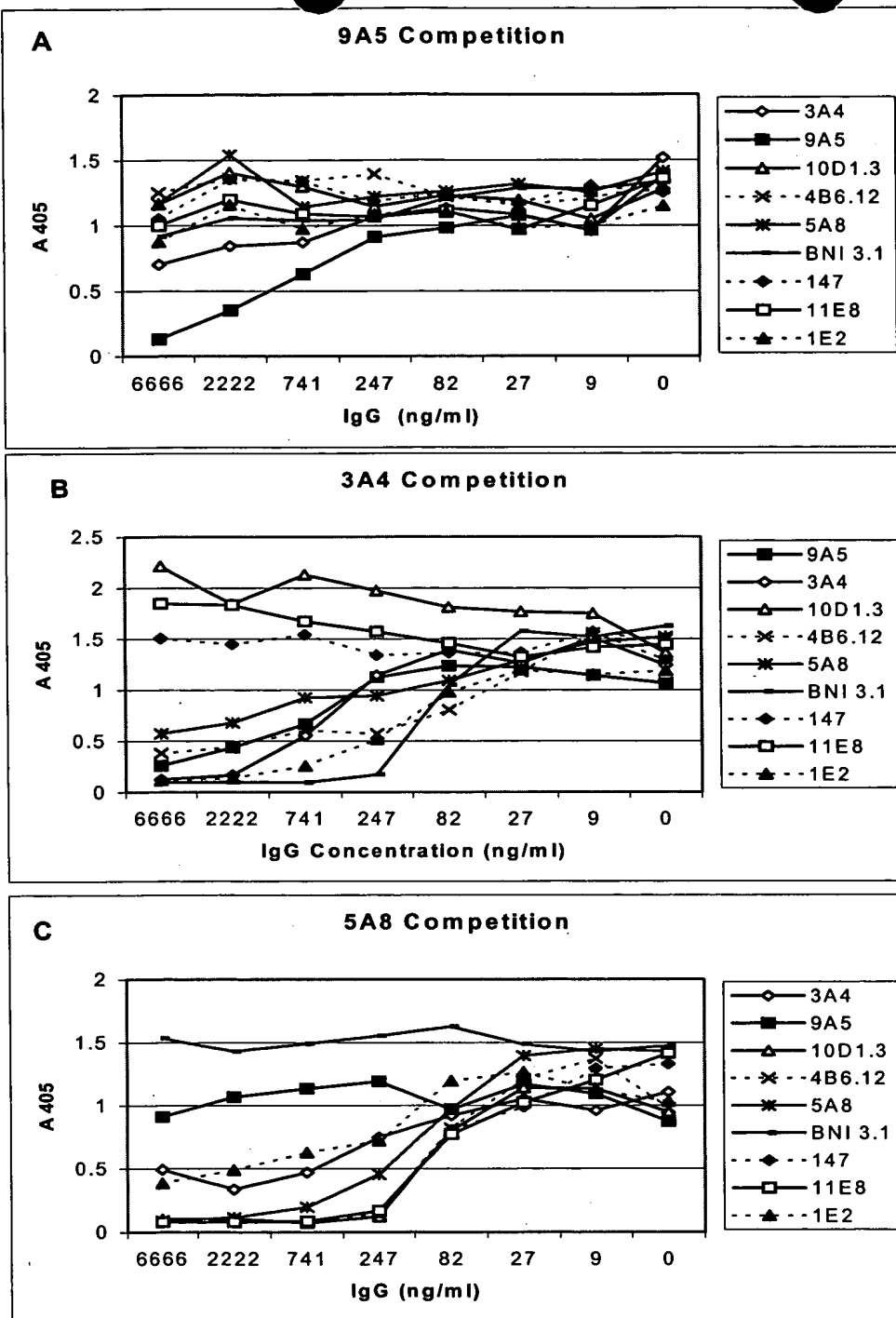


Figure 13A-13C

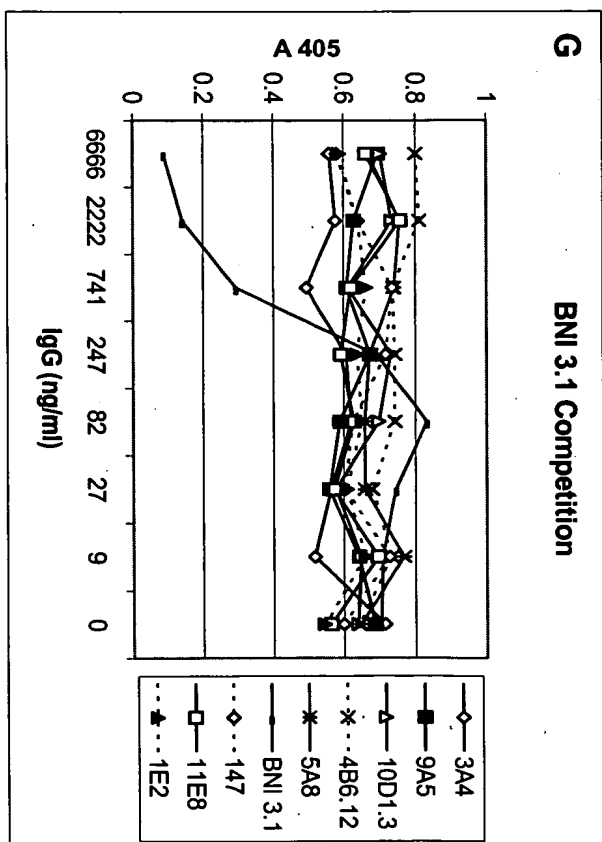
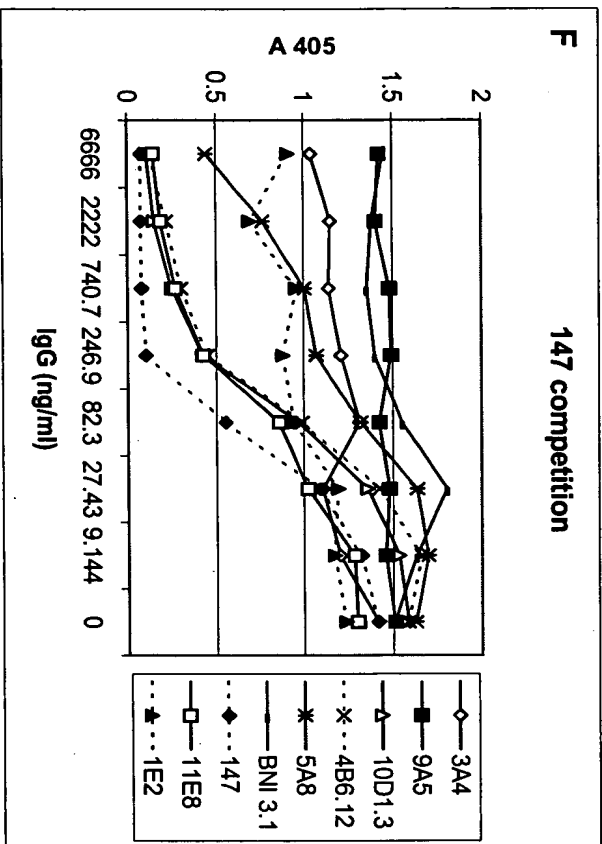
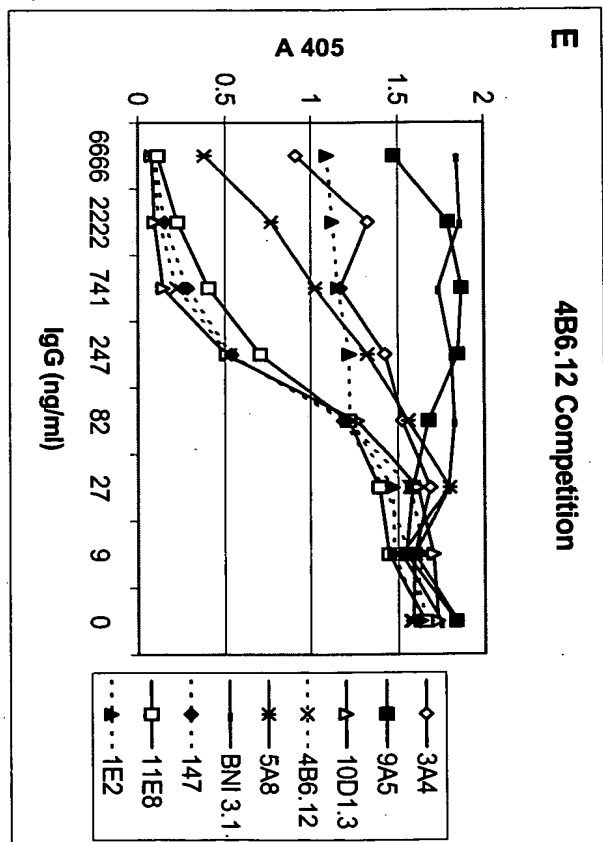
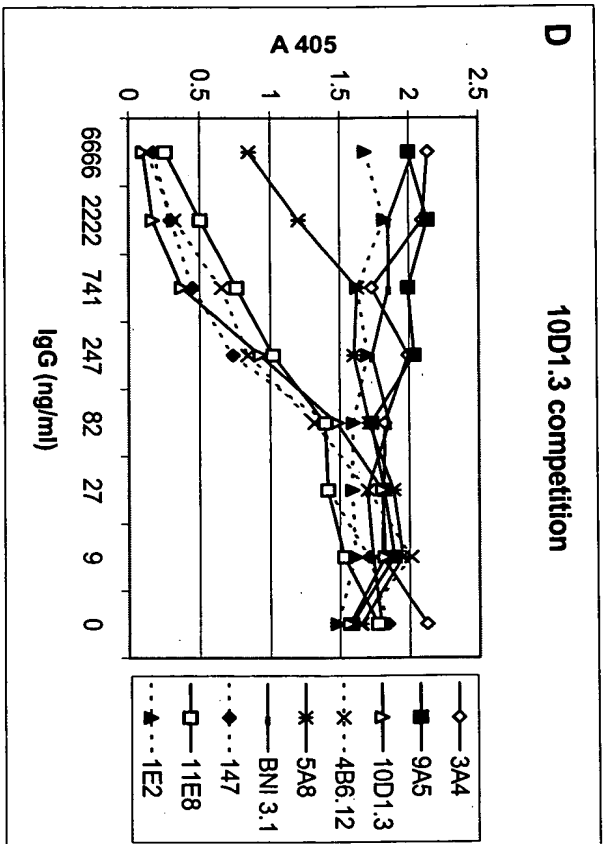
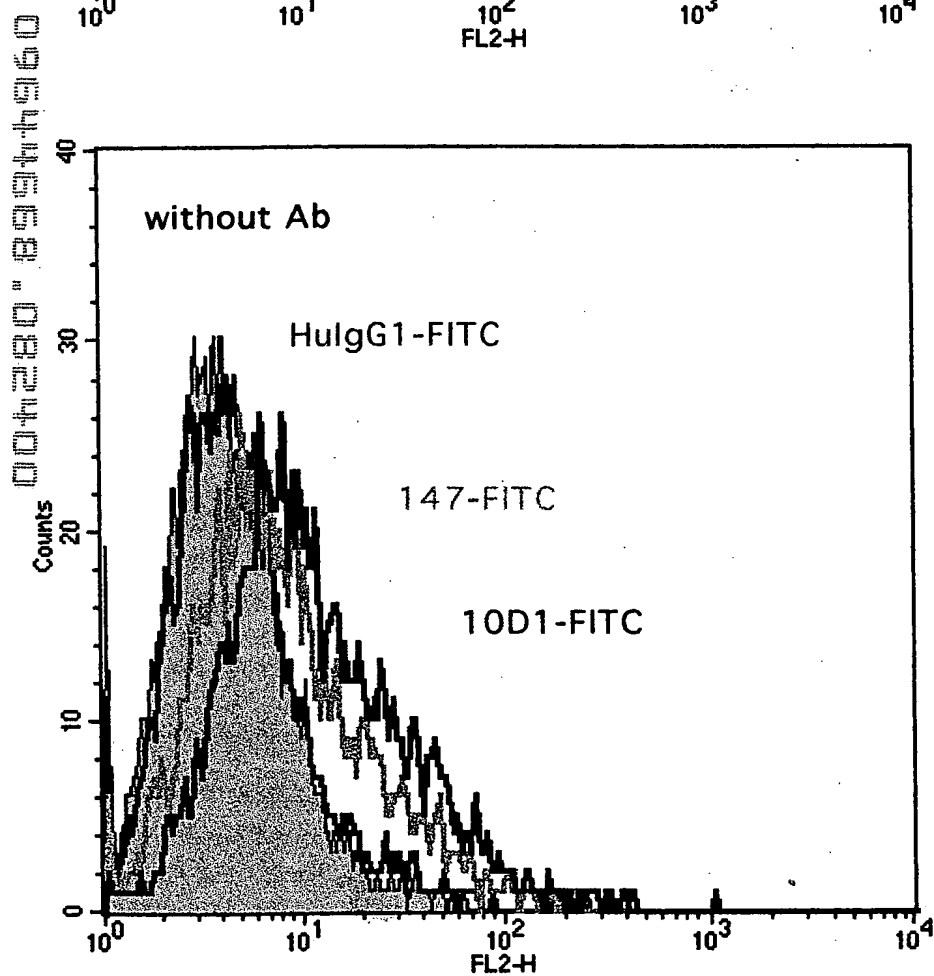
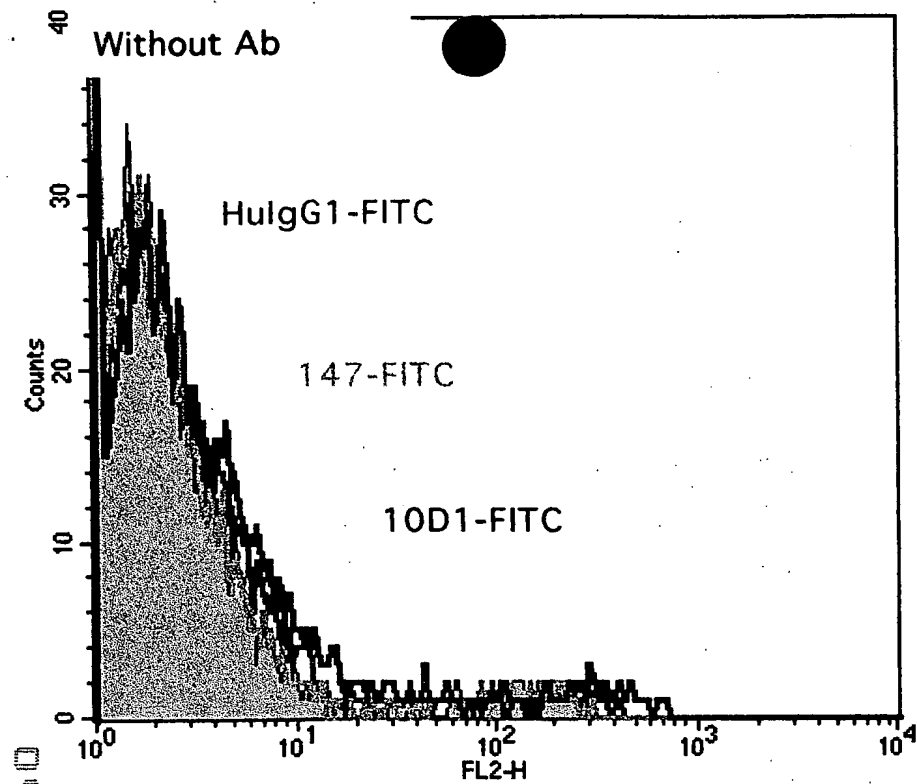


Figure 13D-13G

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10D1 Application
FIG. 14

004280" 89974960

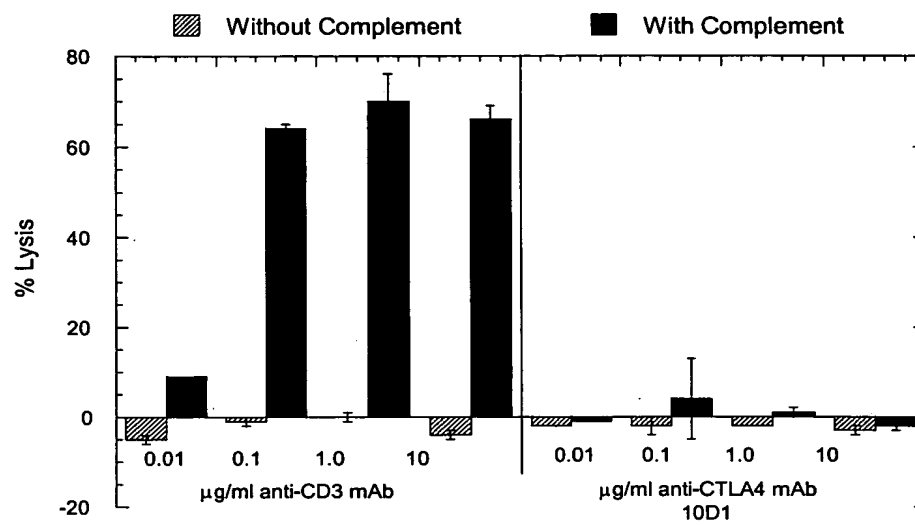


Figure 15

004280"89944950

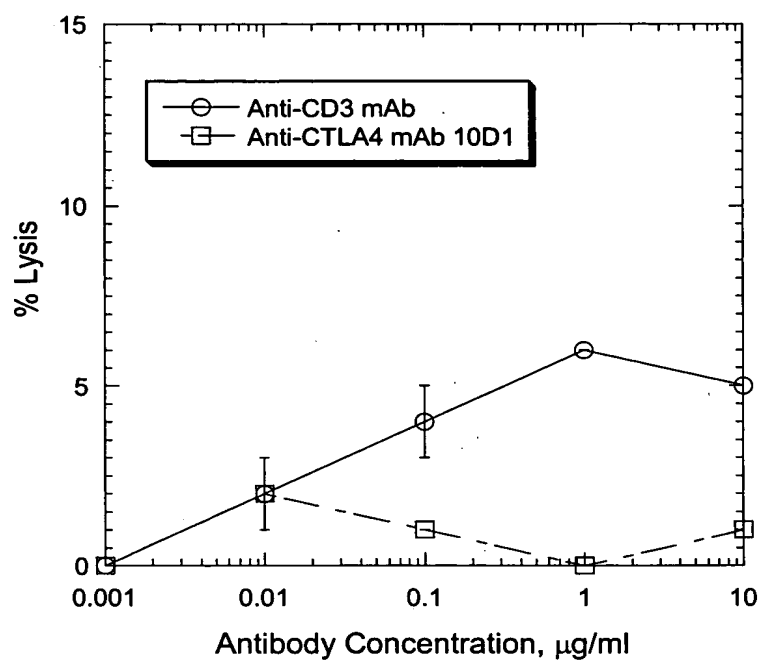


Figure 16.

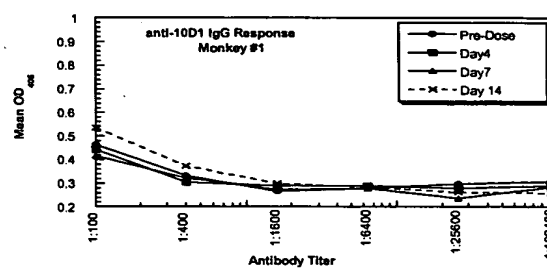
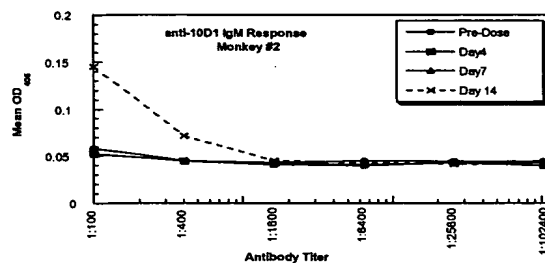
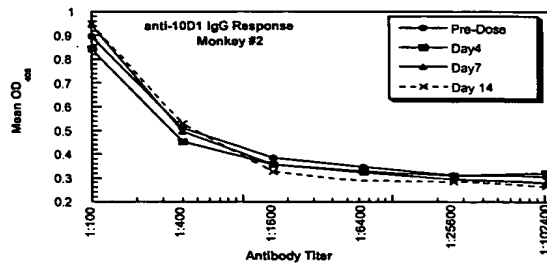
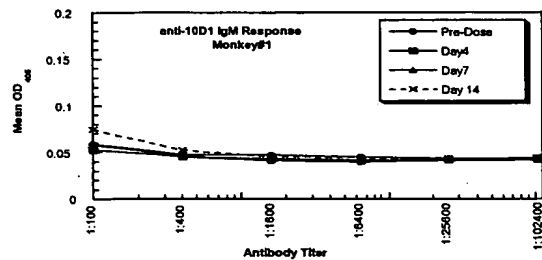


Figure 17

Study No. MDXCTLA4-01																						
Selected Lab Values Summary																						
Screen no.	Subject no.	Initials	Amendment #	Day	Date	PSA	Platelets	WBC	Neut	Lymphs	Monos	Eos	CD4	CD8	ESR	Hgb	Hct					
						ng/ml	x10 ⁹ /L	x10 ⁹ /L	%	%	%	%	/L	/L	mm/hr	g/dl	%					
02001	001	JGR		Scr		144.80	263	8.12	73.00	5.90	18.00	1.47	5.60	0.46	1.80	0.15	67.0	10.4	30			
02001	001	JGR		0		185.20	267	5.74	66.00	3.79	22.00	1.32	6.60	0.38	3.10	0.18	70.4	37.6	71	10.4	32	
02001	001	JGR		1			259	6.31	69.00	4.38	20.00	1.29	8.70	0.55	0.90	0.06	A	A	9.5	30	30	
02001	001	JGR		2			240	6.59	70.00	4.66	19.00	1.31	6.70	0.44	1.80	0.12	55.6	30.3	9.5	28	28	
02001	001	JGR		3			270	6.53	71.00	4.63	21.00	1.36	5.50	0.36	2.20	0.14	60.8	25.4	9.3	28	28	
02001	001	JGR		7		257.40	299	6.70	68.00	4.56	23.00	1.53	6.00	0.40	2.50	0.17	A	A	9.5	28	28	
02001	001	JGR		14		332.30	308	6.87	71.90	7.94	21.20	1.39	5.21	0.36	1.90	0.13	A	A	8.8	25	25	
02001	001	JGR		21			286	9.72	74.00	7.20	19.70	1.91	4.80	0.46	1.00	0.10	A	A	9.1	28	28	
02001	001	JGR		28		351.00	304	5.38	63.00	3.40	26.00	1.44	5.80	0.31	2.90	0.16			8.7	25	25	
01002		JWF		Scr		28.30	271	11.60	75.40	8.75	13.60	1.58	5.70	0.66	4.60	0.53	39.9	18.9	41	13.9	37	
01003		MZB		Scr		12.70	178	5.49	69.00	3.79	19.60	1.08	6.30	0.35	2.70	0.24	32.5	16.8	19	12.7	36	
01004		TEQ		Scr		1459.00	264	6.26	75.10	4.70	14.40	0.90	7.70	0.48	2.40	0.15	36.5	12.9	61	12.8	36	
01005		WVN		Scr		182.40	212	6.85	73.70	5.05	17.40	1.20	6.20	0.43	2.20	0.15	48.3	21.7				
01006		MRS		Scr		4503.00	140	7.55	76.70	5.79	15.90	1.20	6.20	0.47	0.90	0.06	31.9	36.3	83			
01007		TAB		Scr		1394.00	205	5.78	73.00	4.24	13.00	0.76	6.50	0.37	6.00	0.35	37.6	12.7				
01008		CHB		Scr		70.70	229	4.67	54.00	2.56	32.00	1.52	8.30	0.39	3.40	0.16	46.1	49.9				
01009	003	RAB		Scr		238.60	144	3.70	78.00	2.88	14.00	0.55	5.40	0.20	1.20	0.04	21.1	16.2	43	9.8	30	
01009	003	RAB		0		336.90	123	3.92	68.00	2.67	21.00	0.83	8.70	0.34	1.50	0.06	37.4	18.8				
01009	003	RAB		1			122	3.35	71.00	2.38	22.00	0.74	4.00	0.14	1.80	0.06	30.7	19.2				
01009	003	RAB		2			109	4.05	74.00	2.99	19.00	0.77	4.80	0.20	1.20	0.05	32.8	22.0				
01009	003	RAB		3			114	3.79	70.00	2.67	21.00	0.81	6.20	0.23	1.30	0.05	31.3	26.5				
01009	003	RAB		7		249.30	69	3.38	75.00	2.54	17.00	0.60	5.60	0.19	0.70	0.02	24.4	16.1				
01009	003	RAB		14		269.80	101	3.68	69.00	2.54	21.20	0.78	8.50	0.31	1.00	0.04	30.8	17.3				
01009	003	RAB		21			122	4.82	78.00	3.76	13.20	0.64	7.70	0.37	0.60	0.03	21.8	19.5				
01012	004	CEH		Scr		112.90	172	5.85	64.00	3.74	28.00	1.69	5.60	0.33	1.00	0.06	74.6	45.1	10	13.2	40	
01012	004	CEH		1			150	4.82	67.70	3.26	26.40	1.28	4.60	0.22	1.10	0.05	55.2	38.0				
01012	004	CEH		2			147	4.36	63.70	2.78	29.30	1.28	5.10	0.22	1.30	0.06	54.4	44.1				
01012	004	CEH		3		190.00	159	4.95	58.60	2.90	32.70	1.61	5.90	0.29	2.50	0.12	84.2	50.6				
01012	004	CEH		14		207.60	199	5.64	63.10	3.55	29.30	1.65	5.70	0.32	1.60	0.09						
01013		KJF		Scr		49.10	228	8.53	65.00	5.62	26.00	2.23	5.30	0.46	2.30	0.20	121.3	39.8				
02014	002	L-S		Scr		12.70	222	5.65	53.00	3.01	34.00	1.92	7.40	0.42	3.90	0.22	72.1	43.9				
02014	002	L-S		0		27.50	217	5.88	57.00	3.36	32.00	1.88	8.60	0.50	1.50	0.09	67.6	38.9				
02014	002	L-S		1			226	5.74	55.00	3.19	35.00	2.04	7.00	0.40	1.40	0.08	63.2	40.5				
02014	002	L-S		2			223	5.59	55.00	3.09	32.00	1.84	9.80	0.55	1.40	0.08	59.0	33.9				
02014	002	L-S		3			219	4.89	54.00	2.66	34.00	1.68	7.50	0.37	2.70	0.13	52.9	35.8				
01016	Reliable	G-F		Scr		4856.00	106	7.31	86.00	6.29	5.00	0.33	6.80	0.49	1.90	0.14	57.6	7				
					low	7.00	150	3.80	40.50	1.96	15.40	0.80	2.80	0.12			40.4	220				
					high			10.70	75.00	7.23	48.50	3.00	10.10	0.92	6.80	0.57	161.2	112.9	30			

TABLE 11

09644668.082400

2

Study No. MDXCTLA4-02																			
Selected Lab Values Summary																			
Screen no.	Subject no.	Initials	Amendment #	Day	Date	Platelets	WBC	Neuts	Lymphs	Monos	Eos	CD4	CD8	ESR	Hgb	Hct			
						x10 ⁹ /L	x10 ⁹ /L	%	%	x10 ⁹ /L	%	/L	/L	mm/hr	g/dl	%			
02001	001	SAH	0	Scr		216	6.28	56.60	3.52	35.50	2.23	5.90	0.37	1.80	0.11	1189	631	14.4	39
02001	001	SAH	0			230	5.58	59.70	3.33	32.30	1.80	5.70	0.32	1.80	0.10	1039	502	14.9	43
02001	001	SAH	0	1		202	5.12	61.80	3.16	30.20	1.55	5.00	0.26	2.30	0.12	957	407	13.4	37
			normal range		low	150	3.80	40.50	1.96	15.40	0.80	2.60	0.12			404	220		
					high		10.70	75.00	7.23	48.50	3.00	10.10	0.92	6.80	0.57	1612	1129	30	

TABLE 13

09644668 . 082400